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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,356	11/27/2001	Robert A. Dickson	2442/127	2995

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EXAMINER

QURESHI, AFSAR M

ART UNIT	PAPER NUMBER
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2667

DATE MAILED: 01/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/995,356

Applicant(s)

DICKSON ET AL.

Examiner

Afsar M. Qureshi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***Response to Amendment***

1. This Office action is responsive to amendments received on 10/17/2005.
2. **The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.**
3. Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Crosland (US 6,330,631).

Claims 1 and 6. Crosland discloses memory 16 (figure 1) storing bytes of data lines and buffer first and second sections of memory (first and second bus) and memory access controller comprising a shifter with an input connected to receive bytes from memory in accordance with the shift value for storage (see col. 1, lines 31-43, col. 2, lines 36-47 and col. 10, lines 43-62). Crosland further discloses that the movement of bytes can vary from implementation to implementation and essentially the storage in the said memory sections can, inherently be at the same time depending on shift value (see col. 12 lines 57 through col. 13, lines 1-8, figure 8, also, see Response to Arguments below).

Claim 2. The system disclosed by Crosland discusses that offset fields is operated on and returned in the same address location as originally read. Therefore inherently packet buffer

controller, as referred above, comprises a wrap-around shifter register (see col. 1, lines 43-52).

Claim 3. Crosland discloses masking a line on a byte-by-byte basis, although the selection is applicable to other basis as well (see col. 11, lines 8-24).

Claims 4, 5 and 7. Crosland further discloses a control logic that selects the bits or bytes by operating the shift and accumulate unit to operate in successive cycles for successive sets of input bytes (see col. 1, lines 43-60).

Claims 8 and 9. Crosland discloses writing write bytes of the shifted line of data, that are in unmasked position, into the buffer and reading output data from first and second lines (see steps in figure 7A, col. 7, lines 21 through col. 8, lines 1-60).

### ***Response to Arguments***

4. Applicant's arguments filed on 10/17/2005 have been fully considered but they are not persuasive.

The Applicant amended claims 1 and 6 by adding "*wherein storage in said first section and in said second section occur simultaneously* " and referred to page 8, lines 11-12 of the Specification for support. However, the Examiner failed to see, from the cited area,

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that the storage is occurring simultaneously, as claimed herein. *Applicant is requested to provide additional support and explanation in support of added limitation.*

The cited art, Crosland, does not specifically disclose a simultaneous storing bytes of data in lines but the disclosure is essentially the same as claimed herein and recited in the rejection of claims 1 and 6 above.

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afsar M. Qureshi whose telephone number is (571) 272 3178. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272 3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



**AFSAR QURESHI**  
**PRIMARY EXAMINER**

1/24/2006